

What is claimed is:

1. A heat exchanger for adjusting temperature of a machining liquid, comprising:

a ceramic heat exchanging tube, which is made by baking silicon carbide (SiC).

2. The heat exchanger according to claim 1, further comprising inlets and outlets of the machining liquid and a liquid for adjusting temperature,

wherein said inlets and outlets make the both liquids flow as countercurrents.

3. The heat exchanger according to claim 1, wherein said ceramic heat exchanging tube includes no boron (B).

4. The heat exchanger according to claim 3, further comprising inlets and outlets of the machining liquid and a liquid for adjusting temperature,

wherein said inlets and outlets make the both liquids flow as countercurrents.